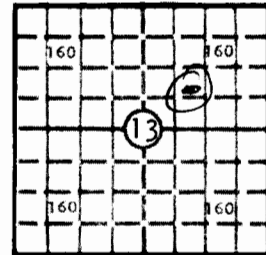


WELL COMPLETION REPORT AND
DRILLER'S LOGAPI No. 15 — Hodgeman — 44162
County NumberS. 13 T. 22 R. 22 ^{NE} _WLoc. C SW NECounty Hodgeman640 Acres
N

Locate well correctly

Elev.: Gr. 2148'DF KB 2153'Operator Tenneco Oil Company
Address Suite 139, Ciudad Bldg., 3000 United Founders Blvd.
Oklahoma City, Oklahoma, 73112Well No. 1-B-13 Lease Name KuhnFootage Location
1980' feet from (N) (X) line 1930' feet from (E) (X) linePrincipal Contractor Slawson Drilling Company GeologistSpud Date 5-11-79 Date Completed 6-20-79 Total Depth 4500' P.B.T.D. 4467'Directional Deviation 1/2 Degree Oil and/or Gas Purchaser Koch Ind.

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4"	8-5/8"	24#	1303'	425 sks. Halco Lite, 150 sks. Class	575	2% CC 3% CC
Production	7-7/8"	5-1/2"	15.5#	4500'	300 sks. Halco Lite, 200 sks. 60/40 poz.	500	2% gel + 10% NaCl + 3/4% CFB + 1/4#/sk. celluflake

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	-	4380-86
TUBING RECORD					
Size	Setting depth	Packer set at			
2-7/8"	4467'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal. 15% MCA	4380-86

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
6-20-79	Pumping				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	13 bbls.	-	429 bbls.	-	
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
			4380-86		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Tenneco Oil Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil
Well No. 1-B-13	Lease Name Kuhn	
S 13 T 22 R 22 ~~NE~~ W		

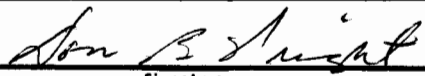
WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Shale	0	45		
Sand and Shale	45	250		
Shale and Sand	250	500		
Shale	500	575		
Sand and Shale	575	1187		
Red Bed	1187	1305		
Shale	1305	1555		
Shale and Shells	1555	2100		
Shale and Lime	2100	3530		
Lime and Shale	3530	3775		
Shale and Lime	3775	3925		
Lime (K.C.)	3925	4050		
Lime	4050	4500		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	 Signature
	Don B. Wright
	Administrative Supervisor
	Title
	January 21, 1980
	Date

PL

13- 22- 22W

DRILLERS LOG

COF

OPERATOR: Tenneco Oil Company
3000 United Founders Boulevard
Oklahoma City, Oklahoma 73112

LEASE: Kuhn #1-B-13
C SW NE Sec. 13-22S-22W
Hodgeman County, Kansas

CONTRACTOR: Slawson Drilling Company, Inc.
200 Douglas Building
Wichita, Kansas 67202

COMMENCED: 5/11/79

COMPLETED: 5/18/79

RTD: 4500'

SURFACE CASING: 8-5/8" set at 1303' with 575 Sx Cement

PRODUCTION CASING: 5-1/2" set at 4500' with 500 sx cement

0' to 45' Shale
45' to 250' Sand & Shale
250' to 500' Shale & Sand
500' to 575' Shale
575' to 1187' Sand & Shale
1187' to 1305' Red Bed (1305' 12 1/4" Surface Hole)
1305' to 1555' Shale
1555' to 2100' Shale & Shells
2100' to 3530' Shale & Lime
3530' to 3775' Lime & Shale
3775' to 3925' Shale & Lime
3925' to 4050' Lime (K.C.)
4050' to 4500' Lime
4500' Mississippian
RTD 4500'

STATE OF KANSAS

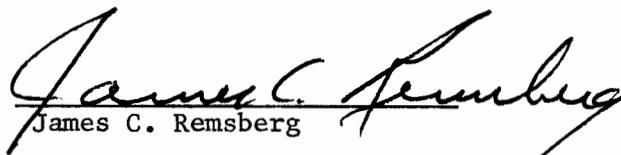
COUNTY OF SEDGWICK

I, James C. Remsberg, of the Slawson Drilling Company, Inc. hereby state the above is an accurate copy of the Kuhn 1-B-13 log for Tenneco Oil Company.

RECEIVED
STATE CORPORATION COMMISSION

MAY 31 1979

CONSERVATION DIVISION
Wichita, Kansas


James C. Remsberg